

Docket No. AUS920031078US1

**CLAIMS:**

What is claimed is:

1. A method for redundant data storage on an individual hard drive, comprising the steps of:

defining at least two data storage segments on said individual hard drive;

associating a first read/write head with a first data storage segment of said at least two data storage segments;

associating a second read/write head with a second data storage segment of said at least two data storage segments; and

responsive to a write operation for storing a predefined set of data on said individual hard drive, storing said predefined set of data on said first data storage segment with said first read/write head, and storing said predefined set of data on said second data storage segment with said second read/write head.

2. The method of Claim 1, wherein the defining and associating steps are performed responsive to receipt of a mode select command including a mode operation selection.

3. The method of Claim 1, wherein the defining and associating steps are performed by said individual hard drive responsive to receipt of a RAID Page.

Docket No. AUS920031078US1

4. The method of Claim 1, wherein the defining and associating steps are performed by said individual hard drive responsive to receipt of a RAID Page including a RAID 1 mode selection.

5. The method of Claim 1, wherein the defining and associating steps are performed by said individual hard drive responsive to receipt of a RAID Page including a RAID 3 mode selection.

6. The method of Claim 1, wherein the defining and associating steps are performed by a controller associated with said individual hard drive.

7. The method of Claim 1, wherein the defining and associating steps are performed by a RAID controller associated with said individual hard drive.

8. A system for redundant data storage on an individual hard drive, comprising:

means for defining at least two data storage segments on said individual hard drive;

means for associating a first read/write head with a first data storage segment of said at least two data storage segments;

means for associating a second read/write head with a second data storage segment of said at least two data storage segments; and

means for storing a predefined set of data on said first data storage segment with said first read/write

Docket No. AUS920031078US1

head, and storing said predefined set of data on said second data storage segment with said second read/write head, responsive to a write operation for storing said predefined set of data on said individual hard drive.

9. The system of Claim 8, wherein the defining and associating functions are performed responsive to receipt of a mode select command including a mode operation selection.

10. The system of Claim 8, wherein the defining and associating functions are performed by said individual hard drive responsive to receipt of a RAID Page.

11. The system of Claim 8, wherein the defining and associating functions are performed by said individual hard drive responsive to receipt of a RAID Page including a RAID 1 mode selection.

12. The system of Claim 8, wherein the defining and associating functions are performed by said individual hard drive responsive to receipt of a RAID Page including a RAID 3 mode selection.

13. The system of Claim 8, wherein the defining and associating functions are performed by a controller associated with said individual hard drive.

Docket No. AUS920031078US1

14. The system of Claim 8, wherein the defining and associating functions are performed by a RAID controller associated with said individual hard drive.

15. A computer program product on a computer-readable medium for redundant data storage on an individual hard drive, said computer program product comprising:

first instructions for defining at least two data storage segments on said individual hard drive;

second instructions for associating a first read/write head with a first data storage segment of said at least two data storage segments;

third instructions for associating a second read/write head with a second data storage segment of said at least two data storage segments; and

fourth instructions for storing a predefined set of data on said first data storage segment with said first read/write head, and storing said predefined set of data on said second data storage segment with said second read/write head, responsive to fifth instructions for storing said predefined set of data on said individual hard drive.

16. The computer program product of Claim 15, wherein the first, second and third instructions are performed responsive to receipt of a mode select command including a mode operation selection.

Docket No. AUS920031078US1

17. The computer program product of Claim 15, wherein the first, second and third instructions are performed by said individual hard drive responsive to receipt of a RAID Page.

18. The computer program product of Claim 15, wherein the first, second and third instructions are performed by said individual hard drive responsive to receipt of a RAID Page including a RAID 1 mode selection.

19. The computer program product of Claim 15, wherein the first, second and third instructions are performed by said individual hard drive responsive to receipt of a RAID Page including a RAID 3 mode selection.

20. The computer program product of Claim 15, wherein the first, second and third instructions are performed by a controller associated with said individual hard drive.